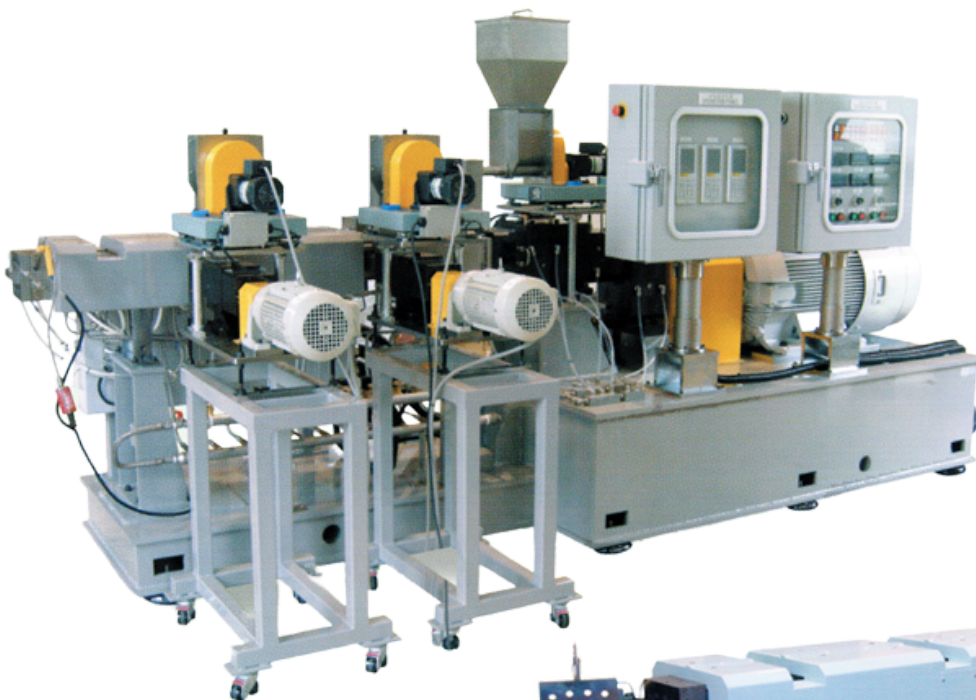


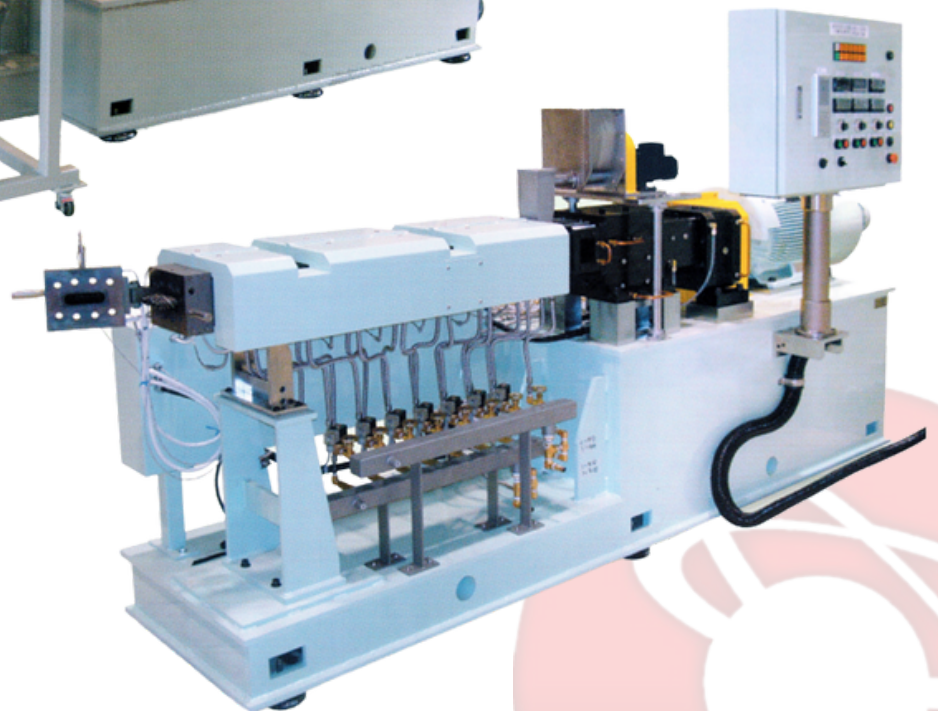
# technovel

Technovel's WDR Quad and Octa Screw Extruder utilizes a twin-screw extruder to enhance the kneading and compounding performance; particularly in reducing self-heating, residence time, equipment size, the L/D, and torque. Through testing and accumulated knowledge, Technovel has developed the "WDR" series, a fully meshed, co-rotating parallel Quad screw and Octa screw compounding extruder, which has been validated over many years. This series represents an innovative device that surpasses the performance of high L/D, high rotational speed, and high torque density of a twin-screw extruder, making it the first of its kind in the industry.

Technovel's complete line of products, including both the Quad and Octa screw extruders, are available for extensive services such as testing and evaluations.



Quad Screw Extruder is displayed.



### Features

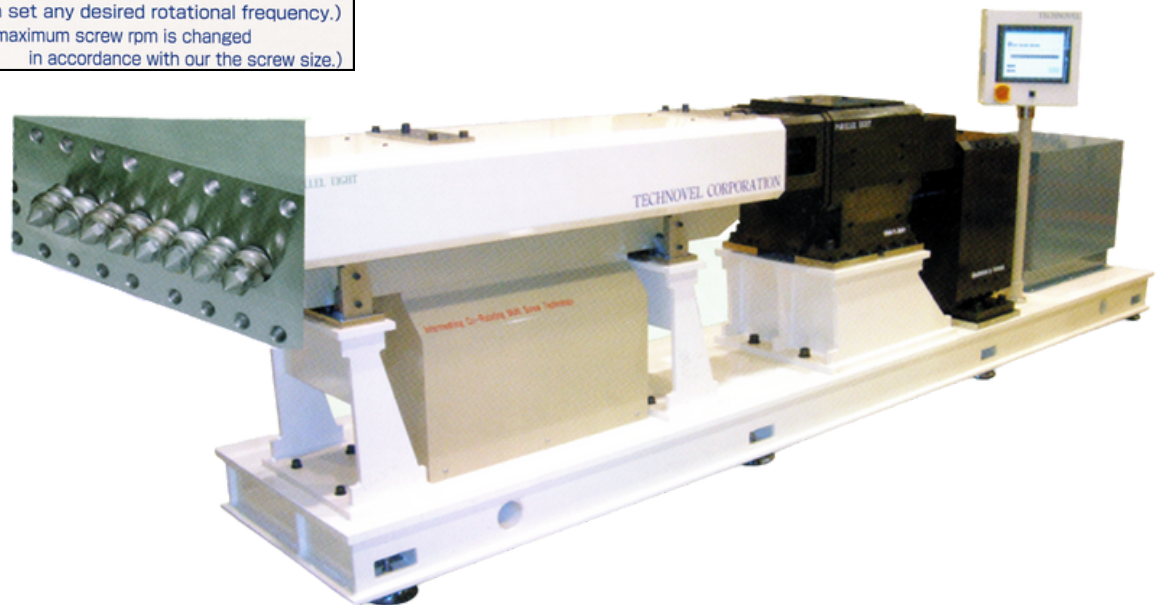
- Improvement of kneading and compounding performances
- Reduction of in-process material self-heating
- Maintenance of long retention time
- Improvement of vent degassing performance
- Improvement of materials feeding
- Increase of dispersibility by the high screw rotation speed
- Stabilization of extrusion and improvement of precision and uniformity
- Saving energy and space



### Technical Data

Screw diameter (Nominal diameter mm)	05~134
No. of screw	TW : Twin Screw-type QD : Quad Screw-type OT : Octa Screw-type
L/D	12~150
Grade*	LG : Low torque-type MG : Standard torque-type HG : High-power torque-type
Screw type	NH : Standard depth of screw groove (D/d=1.55) SH : Medium screw groove (D/d=1.62) DH : Deeper screw groove (D/d=1.88) OT : Other specifications (Triple thread Screw-type, etc.)
Screw rpm	100~10,000rpm (You can set any desired rotational frequency.) (Adaptive maximum screw rpm is changed in accordance with our the screw size.)

Octa Screw Extruder is displayed.



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